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The ABM Study

Briefing No. 1: The Network

OSD HAS NO OBJECTION TO DECLASSIFICATION AND RELEASE.

OSD review(s) completed.

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I. Introduction

- A. Origin of the ABM Study
 - 1. BOB request in late 1967
 - 2. DCI's approval -- appointment of chair from NIPE
 - 3. Formation of Committee -- CIA, DIA, State, NSA, DDR&E,
 OSD/SA, DCI/NIPE, AFSSA observer

B. Purpose of Study

- 1. BOB -- gain additional tool for evaluating new programs proposed for ABM collection.
- 2. By-Product -- further development of methodology and programs for evaluating effectiveness.

C. Concept of Study

- 1. Information needs on Soviet ABM can be structured.
- 2. Relative values can be established for these information needs.
- 3. Collector capabilities can be expressed in probabilistic terms.
- 4. Effectiveness can be determined by appropriate combination of values and probabilities.

D. Phases of Study

- 1. The Network
 - a. Complete in its basic form
 - b. Some extensions in process

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- 2. The Collectors
 - a. Data on the use and characteristics of collectors are almost complete.
 - b. Processing of these data is under way.
- 3. Analytic

Extensions of previously developed methodology are in process.

- E. This briefing deals with Phase I -- the Network
 - 1. Done by Working Group

CIA, DIA, NSA, and NIPE

- 2. Support by CIA and DIA analysts
- 3. Contributions from consumers of ABM intelligence
- 4. The briefing encompasses
 - a. The structure of the Network and
 - b. The valuation process, including
 - 1) the role of accuracy as it affects value, and
 - 2) the role of the data base as it affects value.

II. The Network

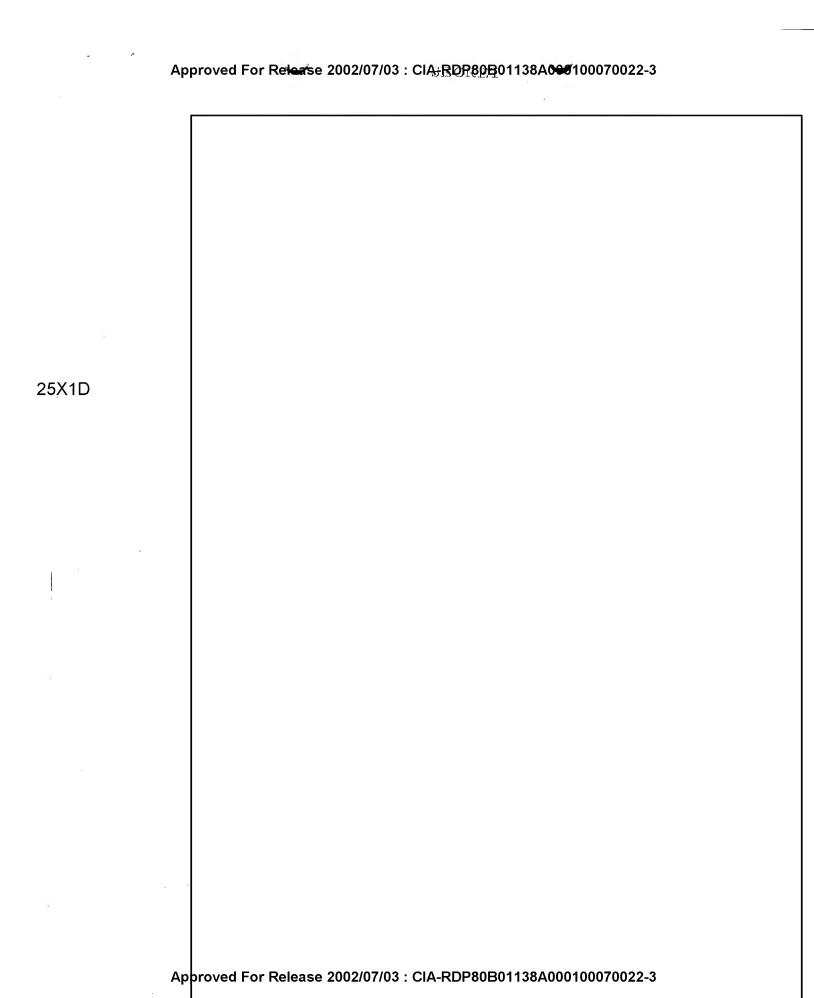
- A. Purpose of the Network
 - 1. Organize all information needs unique to the ABM problem and assign relative values to the elements of information.
 - a. It does not include all information that bears on the Soviet ABM --
 - b. e.g., other strategic systems are relevant but information on them comes from outside this structure.

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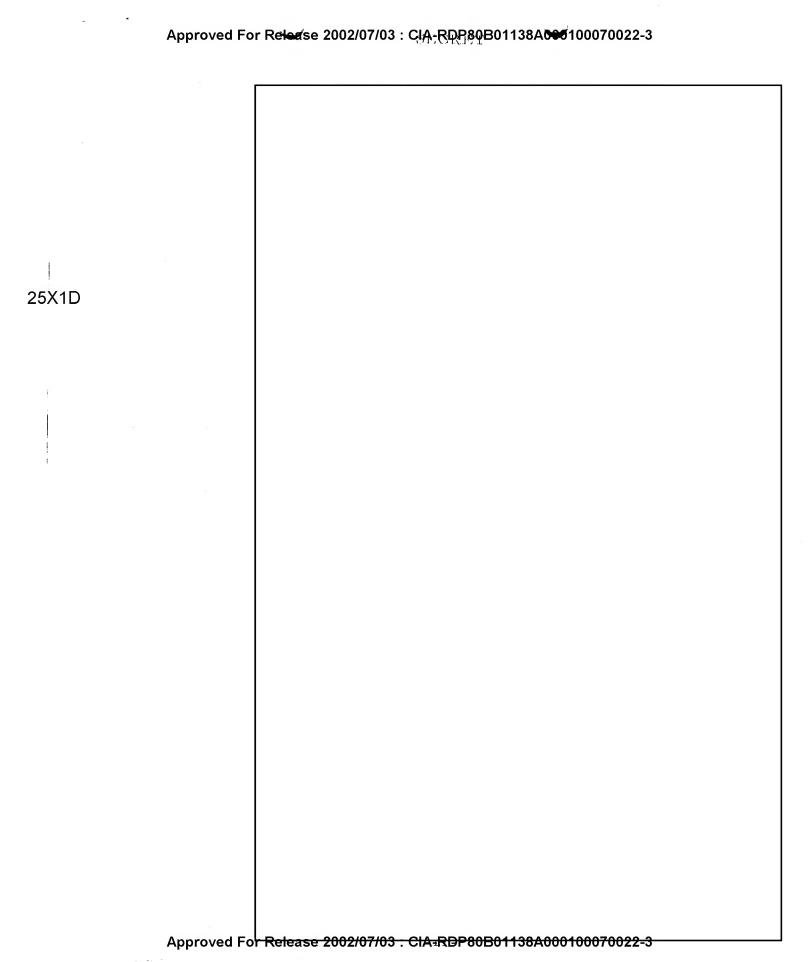
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III. Summary and Conclusions

- A. The Network will provide
 - 1. A structure which encompasses the unique information needs on the Soviet ABM System.
 - 2. Relative values of the elements of that information, taking into account both accuracy and the data base, and
 - 3. Ranges on values, which facilitate sensitivity tests to determine to what degree the results of the study are affected by changes in values.

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- B. The Network represents one-half of the input structure for the Study.
 The other half of the input structure -- the characteristics
 and use of collectors -- is well along.
- C. The analytic processes are under way, building upon
 - 1. The processes developed for the ICBM and ELINT studies, with special attention to
 - 2. problems unique to this study, such as handling "or" junctions in the optimization program.
- D. The prognosis is that within a short time -- several weeks -- preliminary results will be available.

We would be pleased to keep you posted.